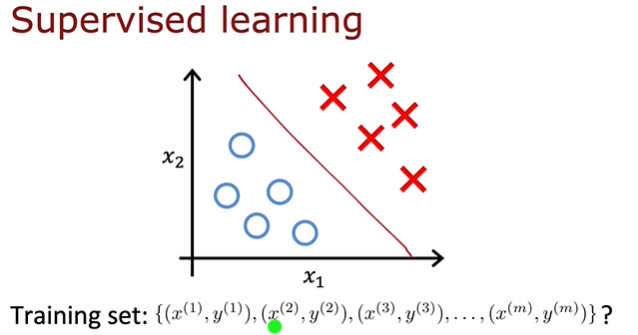
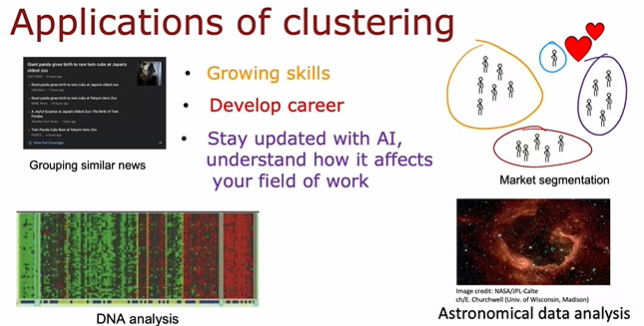
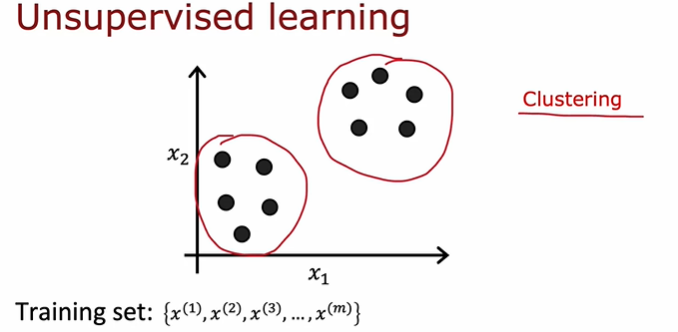
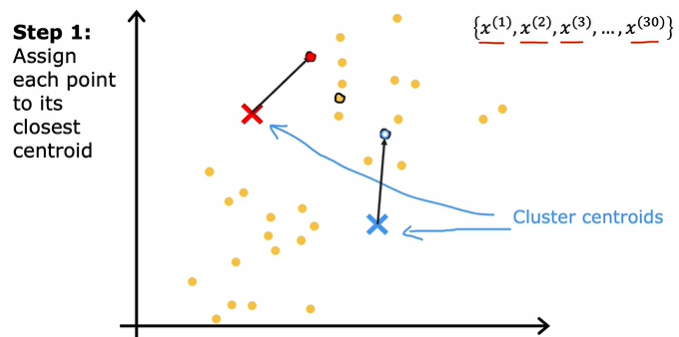
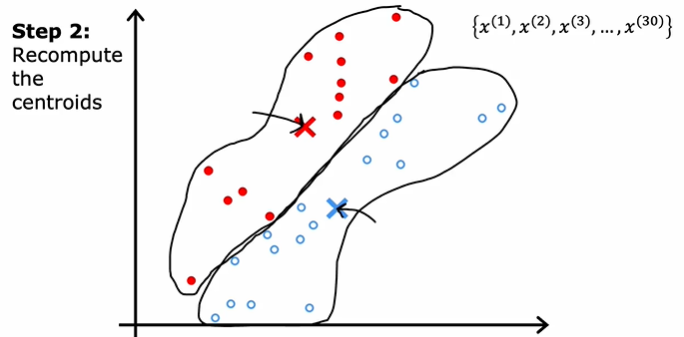
**What is clustering?**

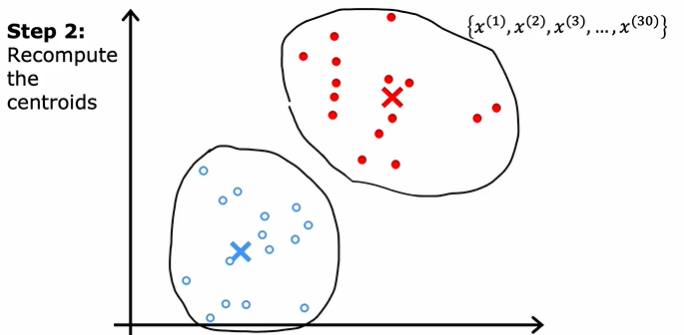
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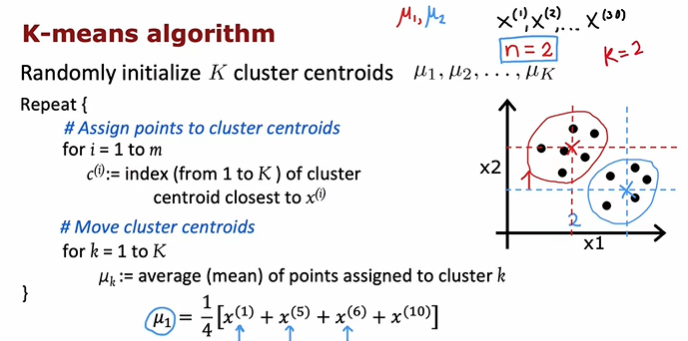
**K-means intuition**

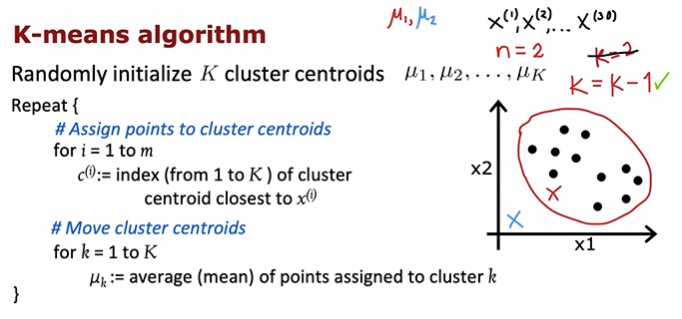
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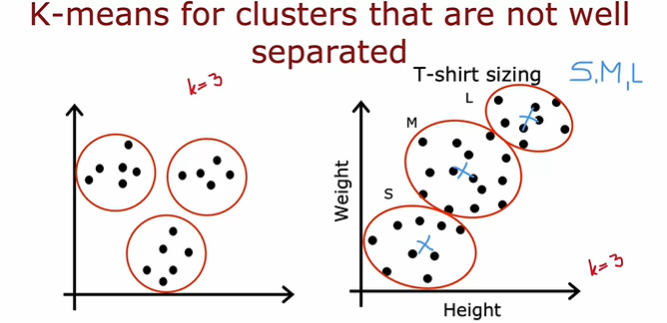
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**K-means algorithm**

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**Optimization objective**